

USCMS Engineer Status Report for June 2004

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1 Work Performed This Month

IGUANACMS

Several intermitent (pre)-releases IGUANACMS_1.8.0_pre2, IGUANACMS_1.8.0_pre3 toward IGUANACMS_1.8.0 and IGUANACMS_1.9.0: The releases aim at the DSTs visualisation. In more details see beneath.

- o) Documentation updated;
- o) added link to the xcmsi download web site;
- o) updated User Guide;
- o) updated "Getting Started" which also includes information about downloading IGUANACMS (and all CMS software as a result - IGUANACMS depends on all other CMS projects and it is a good starting point to get a consistent set of it.)
- o) updated "Developers corner";
- o) updated information about releases.
- o) Muon visualisation: Added gsl external tool to the BuildFiles. * VisMuSimTracksTwig.cc: Change colour of the sim tracks to be white. * VisMuGlobalRecTracksTwig.h, VisMuGlobalRecTracksTwig.cc, VisMuLocalRecTracksTwig.h, VisMuLocalRecTracksTwig.cc: Removed - the functionality replaced by VisRecoMuonTracksTwig. * VisRecoMuonTracksTwig.h, VisRecoMuonTracksTwig.cc: New class for all different muon reconstruction algorithms. xtypeinfo.h, plugin.cc: Update for the above changes.
- o) Catch exceptions for muon sim tracks visualisation, pop up a message box.
- o) Implemented all four muon reconstruction algorithm twigs. Each of the 3D representation is colored differently.

o) Added trigger groups to the BuildFile of Rec Application. L1 trigger information is available.

o) New ORCA application factory implemented; Rename Rec Application to the type of data it should be working with - Digis. BuildFile: Added libraries to read Digis.

o) Updated text representation for reconstructed vertices.

o) Lego plot for calorimetry.

IGUANACMS: Development toward future releases (e.g. what has been done but did not go to the releases):

o) Tests done for using DaqApplication for HCAL testbed. See Jeremy Mans plenary talk during the last CMS week.

16-19 June: Participated in the DST workshop in Naples.

2 Plans For Next Month

IGUANACMS tutorial: to be prepared. As discussed with Ian and Avi pass it to the contact person at FNAL.

DST visualisation: more collection make available. Show hierarchy of configuration and collections. Discover types of objects.

IGUANACMS for the testbeams and test beds.

I'm planning to take a summer vacation in July.

3 Resources Needed

Thanks to Lothar I've ordered a G5!

4 Links To Supporting Documentation

- <http://iguanacms.web.cern.ch/iguanacms/developersInfo.html>